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**MAY 31 2006**

<b>In re United States Patent Application of:</b>	)	<b>Docket No.:</b>	<b>2771-260-CIP DIV-</b>	
	)		<b>RCE</b>	
	)			
<b>Applicants:</b>	<b>BAUM, Thomas H., et al.</b>	)	<b>Conf. No.:</b>	<b>5984</b>
	)			
<b>Application No.:</b>	<b>10/008,980</b>	)	<b>Art Unit:</b>	<b>1762</b>
	)			
<b>Date Filed:</b>	<b>December 6, 2001</b>	)	<b>Examiner:</b>	<b>Brian K. Talbot</b>
	<b>(RCE Filed December 19, 2005)</b>	)		
<b>Title:</b>	<b>METHOD OF FABRICATING</b>	)	<b>Customer No.:</b>	
	<b>IRIDIUM-BASED</b>	)		
	<b>MATERIALS AND</b>	)		
	<b>STRUCTURES ON</b>	)		
	<b>SUBSTRATES</b>	)		

**25559**

FACSIMILE TRANSMISSION CERTIFICATE

ATTN: Examiner Brian K. TALBOT

Fax No. (571) 273-8300

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4 Pages

Number of Pages (including cover)



May 31, 2006

Date

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**SUBMISSION OF POWER OF ATTORNEY AND STATEMENT UNDER  
37 CFR 3.73(b) FOR U.S. PATENT APPLICATION NO. 10/008,980**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Enclosed and submitted herewith is a Power of Attorney to Prosecute Applications before the USPTO (Form PTO/SB/80), and a Statement Under 37 CFR 3.73(b) (Form PTO/SB/96) for the

2771-260-CIP DIV-RCE

above-identified U.S. patent application.

Respectfully submitted,

*Ajay Pathak May 31, 2006*

Ajay S. Pathak  
Reg. No. 38,266  
Attorney for Applicants

INTELLECTUAL PROPERTY/  
TECHNOLOGY LAW  
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Attorney File No.: 2771-260-CIPDIV-RCE

**Enclosures:**

Power of Attorney to Prosecute Applications Before USPTO (Form PTO/SB/80) [1 pg.]  
Statement under 37 CFR 3.73(b) (Form PTO/SB/96) [1 pg.]

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PTO/SB/98 (09-04)

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Baum, et al.Application No./Patent No.: 10/008,980Filed/Issued Date: December 6, 2001Entitled: **METHOD OF FABRICATING IRIDIUM-BASED MATERIALS AND STRUCTURES ON SUBSTRATES**

ATMI, Inc., a corporation  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title, and interest.  
 The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

In the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel/Frame 010438/0160, or for which a copy thereof is attached.

**OR**

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at Reel/Frame \_\_\_\_\_, or for which a copy thereof is attached.
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Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO.  
See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

May 31, 2006

Date

Ajay Pathak  
 Printed or Typed Name

(919) 419-9350  
 Telephone Number

Attorney for Applicants  
 Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/80 (04-05)

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I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:



Practitioners associated with the Customer Number:

23448

AND



Practitioner(s) named below:

Name	Registration Number
John Boyd	38,056
Margaret Chappuis	45,735

as my/our attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent application assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please recognize or change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

OR



Firm or Individual Name: ADVANCED TECHNOLOGY MATERIALS, INC.

Address: 7 COMMERCE DRIVE

City: DANBURY

State: CT

ZIP: 06810

Country: USA

Telephone: (203) 794-1100

Email:

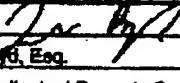
Assigned Name and Address:

ADVANCED TECHNOLOGY MATERIALS, INC.  
7 COMMERCE DRIVE  
DANBURY, CT 06810-4169

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73 (b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

**SIGNATURE of Assignee of Record**

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	4/6/06
Name	John Boyd, Esq.	Telephone	(203) 794-1100
Title and Company	Chief Intellectual Property Counsel		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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